Brake Dynamometer Test Report

Link Test Report :	201106-01
Test Description:	PQ46 FA Left Front SAE J2522 Inetia 95
Customer Reference:	SAE J2522
Program :	Link3000
Platform:	PQ46 Left Front
Lining Material:	P21
Test Date:	11/06/2020

Requested By:

Zhongshan Safety Auto Parts Co.,Ltd.
Li dongwei

Tested By:

Testing Coordination and Facility
Link Transportation Testing Technology （Shanghai）Co., Ltd
Building No.2, 778 Zhao Xian Road, Jiading District, Shanghai
Shanghai, 201821
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Phone: (021) 5916-5656
Fax: (021) 5916-5959

Test Request :
201106-01

Customer Ref:
SAE J2522

PQ46 FA Left Front SAE J2522 Inetia 95

Test Information

Customer Name	Zhongshan Safety Auto Parts Co.,Ltd.
Test Procedure	SAE J2522.SPT
Program Number	SAE J2522
Test Coordinator	Dong han
Technician	Yi
Dynamometer	Link3000
Start and end dates	11/06/2020
Datalog, Template version	3.3 , 1.16

Dynamometer Information

Rolling Radius	335.0 mm
Actual Wheel Load	kg
Required Inertia	95 kg·m²
Actual Inertia	94.8 kg·m²

Brake Information

Brake Platform	PQ46 FA Front
Brake Type	
Brake Size	312*25mm
Rotor ID Number Drum/	20200812-7A
Rotor Type	Disc
Pri/Lead/Inner Lining	P21
Sec/Trail/Outer Lining	P21
Orientation	Left
Effective Radius	129.00 mm
Number of Pistons/Cyls	1
Coefficient Multiplier	0.0126
Piston Diameter Holdoff	57.0mm
Pressure	100 kPa

Approved by: Dong han **Signature:** 董翰 Donghan **Date** 11/06/2020

Date Printed:11/06/2020

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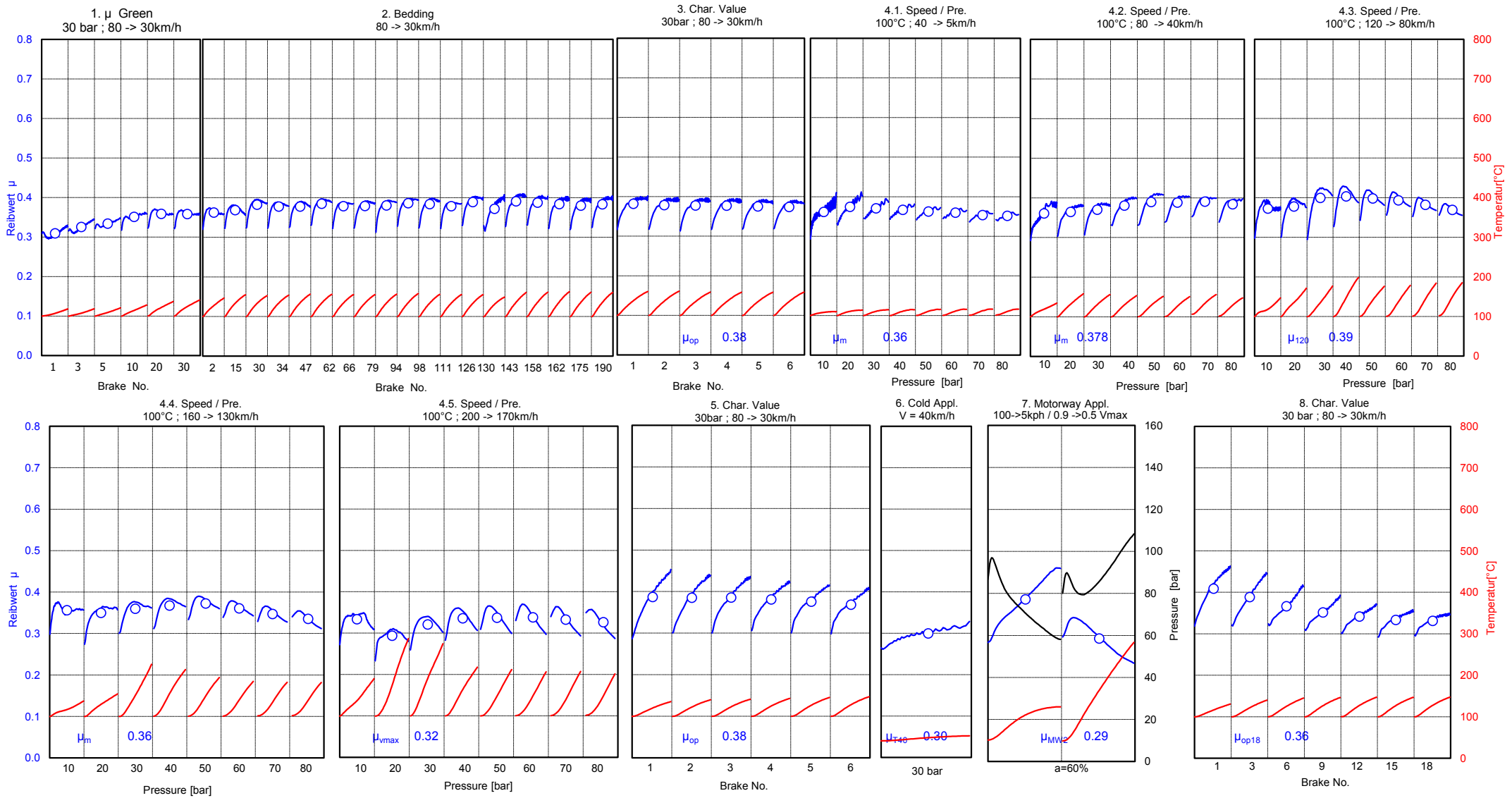

	SAE J2522 (Issued 2003-6)	**PQ46 FA AK-Master inertia 95**

Remark:

Material:	P21		$I_{Soll / Ist}$	95/94.8 kg·m²		Wear	mm	g	Temp.	26.01 ℃	
Batch / AT:	TD1107	Project: na	$R_{eff.}$	0.129 m		Outer	0.56	10.07	Humi.	49.3 %	
PA.ID:	201013	Caliper: PQ46 FA (FN3 57)	$R_{dyn.}$	0.335 m	Test No.:	Inner	0.52	10.81	Run Time	11:14 h	
Test no.:		Rotor: 312X25	A_{RZ}	25.52 cm²	Date: 11/06/2020	Rotor:	0.04	13.5	Page 1		

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201106-01

Customer Ref:
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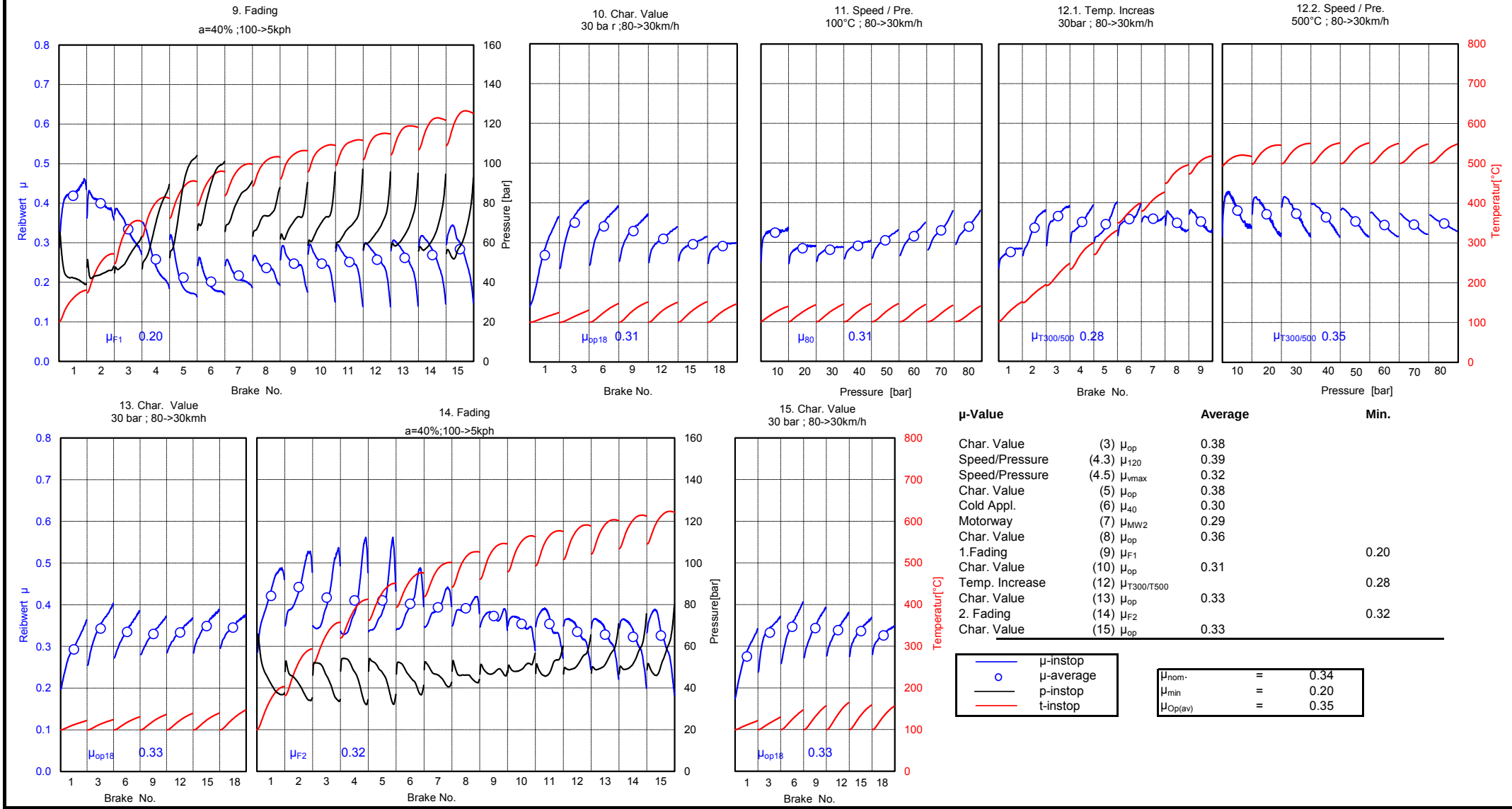

µ-Value		Average	Min.
Char. Value	(3) μ_{op}	0.38	
Speed/Pressure	(4.3) μ_{120}	0.39	
Speed/Pressure	(4.5) μ_{vmax}	0.32	
Char. Value	(5) μ_{op}	0.38	
Cold Appl.	(6) μ_{40}	0.30	
Motorway	(7) μ_{MW2}	0.29	
Char. Value	(8) μ_{op}	0.36	
1.Fading	(9) μ_{F1}		0.20
Char. Value	(10) μ_{op}	0.31	
Temp. Increase	(12) $\mu_{T300/T500}$		0.28
Char. Value	(13) μ_{op}	0.33	
2. Fading	(14) μ_{F2}		0.32
Char. Value	(15) μ_{op}	0.33	

µ-instop
µ-average
p-instop
t-instop

$\mu_{nom.}$	=	0.34
μ_{min}	=	0.20
$\mu_{Op(av)}$	=	0.35

SAE J2522 (Issued 2003-6)

PQ46 FA AK-Master inertia 95

Remark:

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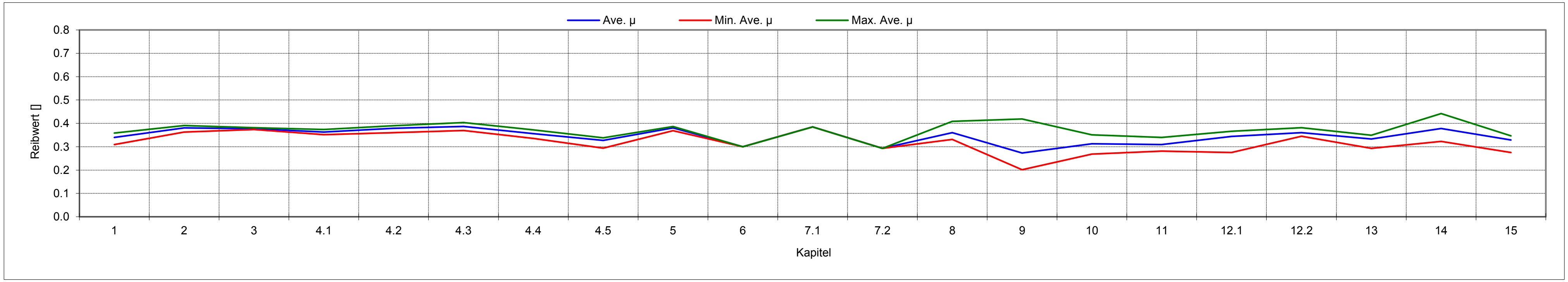
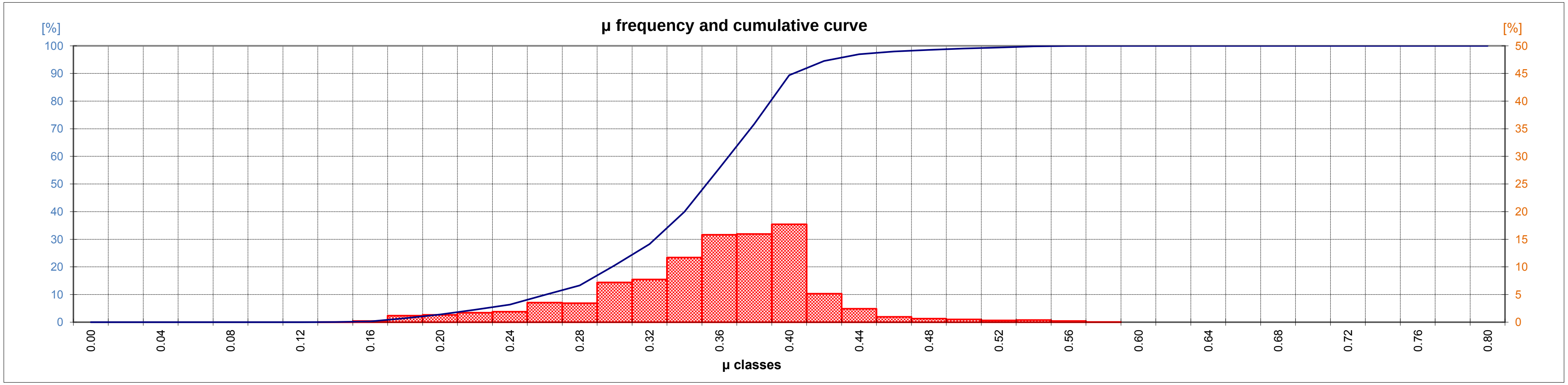
	1 μ Green	2 Bedding	3 Char. 80km/h 30bar	4.1 Pres. 40km/h 10-	4.2 Pres. 80km/h 10-	4.3 Pres. 120km/h 10-	4.4 Pres. 160km/h 10-	4.5 Pres. 200kph 10-	5 Char. 80kph 30bar	6 Cold Appl. 40°C	7.1 Motorway 1 100->5 km/h	7.2 Motorway2 90 -50% v_{max}	8 Char. 80km/h 30 bar	9 Fading1 0,4g	10 Recov. 80km/h 30bar	11 Pres. 10-80 bar	12.1 Temp Incr.	12.2 Pres. 10-80 bar	13 Recov. 80km/h 30 bar	14 Fading2 0,4g	15 Recov. 80km/h 30bar
Ave. μ	0.34	0.38	0.38	0.36	0.38	0.39	0.36	0.33	0.38	0.30	0.38	0.29	0.36	0.27	0.31	0.31	0.34	0.36	0.33	0.38	0.33
Min. Ave. μ	0.31	0.36	0.37	0.35	0.36	0.37	0.34	0.29	0.37	0.30	0.38	0.29	0.33	0.20	0.27	0.28	0.28	0.35	0.29	0.32	0.28
Max. Ave. μ	0.36	0.39	0.38	0.37	0.39	0.40	0.37	0.34	0.39	0.30	0.38	0.29	0.41	0.42	0.35	0.34	0.37	0.38	0.35	0.44	0.35
Min. Inst. μ	0.30	0.31	0.31	0.29	0.29	0.29	0.27	0.23	0.29	0.26	0.28	0.23	0.29	0.14	0.14	0.25	0.23	0.31	0.20	0.18	0.18
D max	NA	0.09	0.08	0.12	0.10	0.13	0.09	0.08	0.17	0.07	0.18		0.14	0.20	0.23	0.10	0.11	0.11	0.17	0.23	0.17





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